

FORM  
2

Rev  
12/05

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☐ GAS ☒ COALBED ☐ OTHER \_\_\_\_\_  
SINGLE ZONE ☐ MULTIPLE ZONE ☒ COMMINGLE ZONE ☒

Refiling ☐  
Sidetrack ☐

Document Number:

400064032

Plugging Bond Surety

20030009

3. Name of Operator: NOBLE ENERGY INC

4. COGCC Operator Number: 100322

5. Address: 1625 BROADWAY STE 2200

City: DENVER State: CO Zip: 80202

6. Contact Name: JAN KAJIWARA Phone: (303)228-4092 Fax: (303)228-4286  
Email: jkajiwar@nobleenergyinc.com

7. Well Name: FIVE RIVERS K Well Number: 10-30D

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 7440

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 3 Twp: 4N Rng: 66W Meridian: 6

Latitude: 40.335260 Longitude: -104.772540

Footage at Surface: 625 FNL/FSL FSL 253 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4721 13. County: WELD

14. GPS Data:

Date of Measurement: 03/31/2010 PDOP Reading: 1.8 Instrument Operator's Name: CMICHAL C. DILKO

15. If well is ☐ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 75 FSL 75 FEL/FWL 75 FEL/FWL 75  
Sec: 3 Twp: 4N Rng: 66W Sec: 3 Twp: 4N Rng: 66W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No

17. Distance to the nearest building, public road, above ground utility or railroad: 195 ft

18. Distance to nearest property line: 253 ft 19. Distance to nearest well permitted/completed in the same formation: 887 ft

20. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
Codell	CODL	407	160	GWA
Niobrara	NBRR	407	160	GWA

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_

22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: 20030012

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☐ Yes ☐ No

23b. If 23 is No ☐ Surface Owners Agreement Attached or ☒ \$25,000 Blanket Surface Bond ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):  
SEE ATTACHED

25. Distance to Nearest Mineral Lease Line: 75 26. Total Acres in Lease: 5682

### DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? ☐ Yes ☒ No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling? ☐ Yes ☒ No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? ☐ Yes ☒ No

30. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☒ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☒ Offsite ☐ Onsite

Method: ☒ Land Farming ☐ Land Spreading ☐ Disposal Facility Other: CLOSED LOOP SYSTEM

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	8+5/8	24	510	216	510	0
1ST	7+7/8	4+1/2	11.6	7,440	686	7,440	

32. BOP Equipment Type: ☒ Annular Preventer ☐ Double Ram ☐ Rotating Head ☐ None

33. Comments NO CONDUCTOR CASING WILL BE USED. TOC=200' ABOVE THE NIOBRARA. NOBLE WILL USE APPROPRIATE SIZED RIG. Crop is corn. Location is part of a 4 well pad consisting of: Five Rivers K10-30D (doc. 400064032), Five Rivers K3-33D (doc. 400064053), Five Rivers USX K9-01 (doc. 400064043) and Five Rivers USX K09-17D (doc. 400064082). Well 2A doc. 400064033. Facility doc. 400064034. GWA CONFIGURATION=SEC. 10: NWNW, SEC 3: SWSW, SEC. 4: SESE, SEC. 9: NENE Noble Energy Inc. requests approval of a Rule 318Aa, Rule 318Ae, and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window, the well will be drilled to a 318Ae infill location from outside of a GWA drilling window, and the wellhead will be located more than 50' from an existing well location.

34. Location ID: \_\_\_\_\_

35. Is this application in a Comprehensive Drilling Plan ? ☐ Yes ☐ No

36. Is this application part of submitted Oil and Gas Location Assessment ? ☒ Yes ☐ No

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: JAN KAJIWARA

Title: REGULATORY ANALYST Ili Date: 10/19/2010 Email: jkajiwara@nobleenergyinc.com

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: David S. Nesline Director of COGCC Date: 11/18/2010

Permit Number: \_\_\_\_\_ Expiration Date: 11/17/2012

**API NUMBER**

05 123 32574 00

**CONDITIONS OF APPROVAL, IF ANY:**

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

- 1) Provide 24 hour notice of MIRU to Bo Brown at 970-397-4124 or e-mail at bo.brown@state.co.us.
- 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Shannon to 200' above Sussex. Verify coverage with cement bond log.
- 3) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Because the distance to the nearest above ground utility is 195', the derrick height shall not exceed 130 feet as measured from the ground.

**Attachment Check List**

Att Doc Num	Name	Doc Description
1770654	SURFACE CASING CHECK	LF@2615982 1770654
400064032	FORM 2 SUBMITTED	LF@2606392 400064032
400064571	30 DAY NOTICE LETTER	LF@2606393 400064571
400064573	WELL LOCATION PLAT	LF@2606394 400064573
400090624	DEVIATED DRILLING PLAN	LF@2606395 400090624
400101619	LEGAL/LEASE DESCRIPTION	LF@2606396 400101619
400101621	PROPOSED SPACING UNIT	LF@2606397 400101621
400102523	EXCEPTION LOC REQUEST	LF@2606398 400102523
400102526	EXCEPTION LOC WAIVERS	LF@2606399 400102526

Total Attach: 9 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Opr corrected as per Phil's request. kk	10/21/2010 4:08:37 PM
Permit	Please submit ex loc request and waivers as separate documents. PVG	10/20/2010 8:09:27 AM

Total: 2 comment(s)

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